BRUHATH BENGALURU MAHANAGARA PALIKE
Yelahanka Division, Yelahanka Zone

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Executive Enginecer
Yelahanka Division
B.B.M.P. Bengaluru - 64

Name of Work:-Cement concrete roads and drains in Chikkabettahalli, Aishwarya bakery road and surrounding roads in Attur Ward No.05 of Yelahanka Satellite town sub division

Sl	Description	Unit	Approved Qty	Technical Manager (West) KRIDL, BBMP.	
				Rate	Rate in Words
1	KSRRB 500-2:Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to recieve bituminous treatmement including cost of all materials labour, HOM machineries, complete as per specifications. MORTH / Chapter 5	sqm	880.00	2.59	Rupees two and paise fifty nine only
2	KSRB 2-2.2:Earthwork excavation for foundtion of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications Specification	cum	670.40	227.88	Rupees two hundredtwenty seven and paise eighty eight only
3	KSRB 2-1.1:Earthwork in surface excavation in hard soil for levelling and lowering the ground manualluy (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled and after breaking of clods and neatly dressed as per specification Specification	cum	132.00	177.12	Rupees one hundred seventy seven and paise twelve only
4	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406, No. 170/ Item No. 20.18/ PWD SR 2013-14	cum	110.00	1121.04	Rupees one thousand one hundred twenty one and paise four only
5	KSRRB M500-6: providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, No. 175/ Item No. 21.6/ PWD SR 2013-14	sqm	440.00	44.28	Rupees forty four and paise twentye eight only

(2) Rate Analysis for 10.00 Cms thick

Sl	Description	Unit	Approved Qty	Rate Quoted by the Contractor Technical Manager (West) KRIDL, BBMP.	
				Rate	Rate in Words
6	KSRRB 500-10:Tack coat:Providing and applying tack coat with bitumen emulsion pressure distributor at the rate of 0.20 Kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom, complete as per specifications. MORTH Specification No.503 using bitumen	sqm	1320.00	11.99	Rupees eleven and paise ninety nine only
7	KSRRB M500-13: Providing and laying bituminous macadam 50mm thick with 100-120 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bitiminous binder, transported to site, laid over a previously prepared surface with paver finisher to the requried grade, level and alignment and rolled as per Clauses 501.6 and 501.7 to achieve the desired compaction complete as per specifications. Mother specification No.504 , 50-75mm compacted thickness	cum	66.00	6667.92	Rupees six thousand six hundred sixty seven and paise ninety two only
8	KSRRBM 500-19: Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bitiminous binder at 5.4 to 5.6% pf ,ox and filler, transporting the hot mix to work site, laing with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No.500.9 complete in all respects as per specifications. 30-40mm compacted thickness with 6% bitumen60/70	cum	52.80	11452.32	Rupees eleven thousand four hundred fifty two and paise thirty two only
9	KSRRB M800-13 .1:Providing and laying of hot applied themoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from sreaks and holes complete as per specifications MORTH Specification No.803including cost of materials, labour, complete as per specifications.	sqm	44.00	471.96	Rupees four hundred seventy one and paise ninety six only
10	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M7.5 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2013-14	Cum	108.48	4290.84	Rupees four thousand two hundred ninety and paise eighty four only
11	Providing and constructing granite.trap/basalt size stone masonry in foundation cement mortar 1:6 stone hammered dressed in courses not less than 20 cms high , bond stones at twom, apart in each course including cost of materials labour curing complee as per specification	cum	237.60	3484.22	Rupees three thousand four hundred eighty four and paise twenty two only

(2) Rate Analysis ... Covering to culvert ...

Sl	Description	Unit	Approved Qty	Rate Quoted by the Contractor Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate in Words
12	Providing ruled pointing of coursed stone masonry with cement motar 1:3 20 mm deep after raking joints to depth of 20mm necely lining including cost of materials, labour, HOM of machineries curing etc., complete as per specification and direction of the Engineer-in-charge	cum	528.00	78.44	Rupees seventy eight and paise forty four only
13	KSRB 4-1.6:Providing and laying in position plain cement concrete of mix M15 with cement @240kgs with 20mm and down size graded granite metal, coarse aggregate @0.878cum and fine aggregate @0..459 cummachine mixed, concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	cum	74.80	4779.00	Rupees four thousand seven hundred seventy nine only
14	Providing and fixing 10 cm thick pre cast RCC covering slab using reinforced cement concrete M 20 mix with stone aggregate 20 mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15 cm thick wellcopacted cost of all materials labour curing comlete as per specification	sqm	528.00	1498.00	Rupees one thousand four hundred ninety eight only
15	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplaslesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2013-14	Cum	12.54	5639.76	Rupees five thousand six hundred thirty nine and paise seventy six only
16	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2013-14	Quintal	12.54	7380.72	Rupees seven thousand three hundred eighty and paise seventy two only
17	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters,bittresses,buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.31/ PWD SR 2013-14	sqm	46.50	271.08	Rupees two hundred seventy one and paise eight only

Sl	Description	Unit	Approved Qty	Rate Quoted by the Contractor Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate in Words
18	5.29(b) Providing and fixing Pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom wideth 114 and 165 mm respectively 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading lead and lift transportatin etc, complete	Nos	978.00	267.84	Rupees two hundred sixty seven and paise eighty four only
19	KSRRB 15-19.1:Providing and applying ready mix priming coat over concrete/ masonry/asbestos cement sheet/ plastered surfaces including preparing the surface after thoroughly cleaning of all grease, dirt and other foreign matter, and sand preparing including cost of materials, labour complete as per specifications.	sqm	198.00	23.76	Rupees twenty three and paise seventy six only
20	KSRRB M600-6: providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, No. 175/ Item No. 21.6/ PWD SR 2013-14	sqm	198.00	44.28	Rupees forty four and paise twentye eight only
21	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/sand/.kanker/moorum. KSRRB M100-1:Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH Chapter 1	sqm	802.40	94.82	Rupees ninety four and paise eighty two only

Signature of the Contractor

Technical Manager-2
KRIDL, BBMP
Bangalore - 560 001

Executive Engineer,
Yelahanka Division,
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